

ENERGY MANAGEMENT BEAM

ABSTRACT

An energy management system comprising a longitudinally extending beam including a first beam portion and a second beam portion. A first one of the first beam portion and the second beam portion has a first face, a first side wall and a second side wall. A second one of the first beam portion and the second beam portion has a second face. The first side wall has a first U-shaped section spaced from the first face and the second side wall has a second U-shaped section spaced from the first face. The first side wall rolls to enlarge the first U-shaped section and the second side wall rolls to enlarge the second U-shaped section during an impact force directed against the first face of the first beam portion or the second face of the second beam portion.